EAST Search History (29pp)

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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	(US-20050145900-\$).did.	US-PGPUB	OR 1	OFF	2006/11/22 10:33
L2	1	(US-20050145900-\$).did. and (photo\$1gate photo adj gate)	US-PGPUB	OR	OFF	2006/11/22 10:44
L3	1	(US-20050145900-\$).did. and (first second pixel)	US-PGPUB	OR	ON	2006/11/22 10:48
L4	1	(US-20050145900-\$).did. and (integration adj (time period interval))	US-PGPUB	OR .	ON	2006/11/22 10:48
L5	0	(US-20050145900-\$).did. and ((integration adj (time period interval)) near4 variable (different adj pixel))	US-PGPUB	OR	ON	2006/11/22 10:49
L6	640	((integration adj (time period interval)) near4 variable (different adj pixel)) and cmos	US-PGPUB	OR	ON	2006/11/22 10:49
L7	253	((integration adj (time period interval)) near4 variable (different adj pixel)) and cmos and trnasfer reset and (image adj lag ghost adj image charge adj sweep)	US-PGPUB	OR	ON ·	2006/11/22 10:50
L8	10	((integration adj (time period interval)) near3 variable (different adj pixel)) and cmos and transfer and reset and (image adj lag ghost adj image charge adj sweep)	US-PGPUB	OR	ON	2006/11/22 10:51
L9	12	((integration adj (time period interval)) near3 variable (different adj pixel)) and cmos and transfer and reset and (image adj lag ghost adj image charge adj sweep)	USPAT	OR	ON	2006/11/22 10:53
L10	0	((integration adj (time period interval)) near3 variable near4 (different adj pixel)) and cmos and transfer and reset and (image adj lag ghost adj image charge adj sweep)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/22 10:53
L11		((integration adj (time period interval)) near3 (different near4 pixel)) and cmos and transfer and reset and (image adj lag ghost adj image charge adj sweep)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/22 11:07

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L12	0	wide adj direct adj range and cmos and imager	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/22 11:42
L13	191	(imager image adj pichup).ti,ab, clm. and "358"/\$7.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/22 11:43
L14	983	(imager image adj pick\$1up).ti,ab, clm. and "358"/\$7.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/22 11:43
L15	65	(imager image adj pick\$1up).ti,ab, clm. and "358"/\$7.ccls. and cmos	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/22 11:44
L16	4	(imager image adj pick\$1up).ti,ab, clm. and "358"/\$7.ccls. and (charge adj sweep ghost adj image image adj lag)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/22 11:51
L17	11777	("0257428").PN. or ((257/290) or (257/291) or (257/292) or (257/431) or (257/445) or (348/311) or (348/314) or (358/443) or (358/444) or (358/445) or (358/446) or (358/447) or (358/448) or (358/449) or (358/461) or (358/460) or (358/461) or (358/462) or (358/463) or (358/482)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/22 11:53

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L18 .	64	17 and (image adj lag ghost adj image charge adj sweep) and transfer adj (transistor MOS MOSFET FET MIS MISFET) and reset adj (transistor MOS MOSFET FET MIS MISFET) and (row select) and (photo\$1diode photoconversion photo\$1gate photo\$1conduct\$3 photo adj diode photo adj gate photon adj conduct\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/22 12:13
L19	. 6	(rhodes.in. micron.as.) and (image adj lag ghost adj image charge adj sweep) and transfer adj (transistor MOS MOSFET FET MIS MISFET). clm. and reset adj (transistor MOS MOSFET FET MIS MISFET).clm. and (row select).clm. and (photo\$1diode photoconversion photo\$1gate photo\$1conduct\$3 photo adj diode photo adj gate photon adj conduct\$3).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/22 12:19
L20	6	"660565".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/22 12:20
L21	6	"771290".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/22 12:22
L22	7	"925917".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/22 12:23
L23	4	"926358".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/22 12:23
L24	3	"983971".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/22 12:24

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L25	6	"009006".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/22 12:25
L26	6	"043998".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/22 12:26
L27	8	"165490".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ОN	2006/11/22 12:27
L28	4	"206125".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/22 12:27
L29	3	"242375".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/22 12:28
L30	5	"434767".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/22 12:28
L31	4	"488845".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/22 12:29
S1	2	"750843".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/01 23:15
S2	2	("6140630").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/01 10:45
S4	8	charge adj sweep and image adj lag	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/02 14:41

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S5		("6064053").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/01 10:45
S6	10	(US-5652622-\$ or US-5528643-\$ or US-5500383-\$ or US-5436476-\$ or US-5369039-\$ or US-5182623-\$ or US-5043817-\$ or US-4875101-\$ or US-6064053-\$).did. or (US-6064053-\$).did.	USPAT; DERWENT	OR	OFF	2005/06/01 11:14
S8	7	S6 and reset and transfer adj gate	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/01 11:16
S9	2	(improved enhanced) near3 band adj width near3 fiber	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/01 16:54
S10	. 2	band adj width near3 fiber.ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/01 17:05
S11	5	band adj width near8 fiber.ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/01 17:05
S12	335	(348/311).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/02 14:45
S13	158	(348/314).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/02 14:45
S14	2	S13 and reset and image adj lag	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/31 13:49

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S15	592	array near2 pixel near4 cell	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/02 16:13
S16	153	array near2 pixel near4 cell.ti,ab, clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/02 16:16
S17	8	array near2 pixel near4 cell.ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/02 16:34
S18	3	"750843".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/30 15:29
S19	1	(US-20050145900-\$).did.	US-PGPUB	OR	OFF	2005/07/30 16:24
S20	12	(US-20050145900-\$).did. or (US-4875101-\$ or US-5043817-\$ or US-5122850-\$ or US-5182623-\$ or US-5369039-\$ or US-5436476-\$ or US-5500383-\$ or US-5528643-\$ or US-5652622-\$ or US-6064053-\$).did. or (US-6064053-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2005/07/30 16:25
S21	12	(("6140630") or ("6376868") or ("6310366") or ("6326652") or ("6204524") or ("6333205")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/30 16:30
S22	0	mondt.xa. and rhodes.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/30 16:46
S23	3	source adj follower and reset adj transistor and charge adj accumulation adj region and (photodiode photo adj diode) and ghost adj image	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/30 17:05
S24	160	source adj follower and reset adj transistor and charge adj accumulation adj region and (photodiode photo adj diode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/30 16:58

S25	7	source adj follower and reset adj transistor and (photodiode photo adj diode) and ghost adj image	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/30 17:06
S26	202	source adj follower and reset and (photodiode photo adj diode) and imag\$3 near3 lag\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/30 17:19
S27	5	mondt.xa. and source adj follower	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/30 17:19

S28	106	(US-20050145900-\$ or	US-PGPUB;	OR	OFF	2005/07/30 17:21
		US-20010050382-\$ or	USPAT;			
		US-20010012225-\$ or	DERWENT			
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S29	1	S28 and accumulat\$3 near2 charge.clm. and storing.clm. and reading.clm. and (remove removing emptying) near4 (remaining remain residual).clm.	US-PGPUB; USPAT; DERWENT	OR	OFF	2005/07/30 17:24
S30	1	S28 and (collect\$3 accumulat\$3) near2 charge.clm. and storing.clm. and reading.clm. and (remove removing emptying) near4 (remaining remain residual).clm.	US-PGPUB; USPAT; DERWENT	OR	OFF	2005/07/30 17:24
S31	1	S28 and (collect\$3 accumulat\$3) near2 charge.clm. and (store storing).clm. and reading.clm. and (remove removing emptying) near4 (remaining remain residual). clm.	US-PGPUB; USPAT; DERWENT	OR	OFF	2005/07/30 17:25
S32	1	S28 and (collect\$3 accumulat\$3) near2 charge.clm. and (store storing storage).clm. and reading. clm. and (remove removing emptying) near4 (remaining remain residual).clm.	US-PGPUB; USPAT; DERWENT	OR	OFF	2005/07/30 17:25
S33	1	S28 and (collect\$3 accumulat\$3) near2 charge.clm. and (store storing storage).clm. and (read reading).clm. and (remove removing emptying) near4 (remaining remain residual).clm.	US-PGPUB; USPAT; DERWENT	OR	ON	2005/07/30 17:25
S34	1	S28 and (collect\$3 accumulat\$3) near2 charge.clm. and (store storing storage).clm. and (read reading).clm. and (remove removing emptying sweep sweeping) near4 (remaining remain residual).clm.	US-PGPUB; USPAT; DERWENT	OR	ON	2005/07/30 17:25
S35	3	S28 and (collect\$3 accumulat\$3) near2 charge.clm. and (store storing storage).clm. and (read reading).clm. and (remove removing emptying sweep sweeping).clm.	US-PGPUB; USPAT; DERWENT	OR	ON	2005/07/30 17:26
S36	174	hynecek.in.	US-PGPUB; USPAT; DERWENT	OR	ON	2005/07/30 17:31
S37	. 4	(ccd cid imager).ti,ab,clm. and ghost near1 image and (residu remaining residual remnant) near3 (remove sweep removing sweeping)	US-PGPUB; USPAT; DERWENT	OR	ON	2005/07/30 17:34

S38	78	(ccd cid imager imaging).ti,ab,clm. and (lag lagging ghost) near2 image and (residu remaining residual remnant) near3 (remove sweep removing sweeping)	US-PGPUB; USPAT; DERWENT	OR	ON	2005/07/30 17:36
S39	14	(ccd cid imager imaging).ti,ab,clm. and (lag lagging ghost) near2 image and (residu remaining residual remnant) near3 (remove sweep removing sweeping) and semiconductor and photodiode	US-PGPUB; USPAT; DERWENT	OR	ON	2005/07/30 17:36
S40	6	"244723".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/31 13:23
S41	. 469	((348/311) or (348/314)).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/07/31 13:49
S42	12	reset adj transistor and photoconversion and floating adj diffusion and imager and (ghost adj image image adj lag)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/31 13:55
S43	. 0	accumulat\$3 near2 charge near20 stor\$3 near20 read\$3 near20 remov\$3 near20 (remaining residual residu)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/31 15:08
S44	0	accumulat\$3 near20 charge near20 stor\$3 near20 read\$3 near20 remov\$3 near20 (remaining residual residu)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/31 15:08
S45	7	charge near20 stor\$3 near20 read\$3 near20 remov\$3 near20 (remaining residual residu)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/31 15:28
S46		("6064053").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/31 15:40
S47	0	S46 and reset adj transistor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/31 15:40

S48	84	reset near4 transistor and (remain\$3 residual residu) near3 charge and imager	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/31 15:42
S49	77	reset near3 transistor and (remain\$3 residual residu) near3 charge and imager	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/31 16:14
S50	2	("6140630").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/31 16:21
S51	2	("6376868").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/31 16:21

	S52	109	(US-20010012225-\$ or	US-PGPUB;	OR	OFF	2005/07/31 16:27
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S53	0	("10andmethodadj2(operatingusing)").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR .	OFF	2005/07/31 16:28
S54	9	S52 and method adj2 (operating using)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF <sup>-</sup>	2005/07/31 16:28
S55	2	("6326230").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/31 17:52
S56	2	S55 and (anti-blooming anti adj blooming)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/31 17:52

S57	109	(US-20010012225-\$ or	US-PGPUB;	OR	OFF	2005/07/31 18:25
337	109	US-20010050382-\$ or	USPAT;	OK	011	2003/07/31 10.23
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11/22/0	5 12:33:03 PM	US-20050083421-\$ or	· ,			Page 14
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S58	. 78	S57 and rhodes.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/31 18:26
S59	1004	photogate	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/31 19:08
S60	28	photogate.ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/31 19:08
S61	2	reset near6 (removing remove removal) near6 (residual remaining remain) near6 charge and (ghost adj image (image near1 (lag lagging))) and photodiode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/06 14:29
S62	0	reset near6 (removing remove removal) near6 (residual remaining remain) near6 charge and (ghost adj image (image near1 (lag lagging))) and photodiode and reset adj transistor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/06 14:31
S63	2	reset near6 (removing remove removal) near6 (residual remaining remain) near6 charge and (photo adj diode photodiode) and reset adj transistor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/06 14:31
S64	0	reset adj transistor near8 (removing remove removal) near8 (residual remaining remain) near8 charge near8 transfer adj transistor and (photo adj diode photodiode) and reset adj transistor and transfer adj transistor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/06 14:33
S65	0	reset adj transistor near12 (removing remove removal) near12 (residual remaining remain) near12 charge near12 transfer adj transistor and (photo adj diode photodiode) and reset adj transistor and transfer adj transistor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/06 14:33

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S66		reset adj transistor with (removing remove removal) near12 (residual remaining remain) near12 charge with transfer adj transistor and (photo adj diode photodiode) and reset adj transistor and transfer adj transistor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/06 14:47
S67	70	transfer adj thyristor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/06 14:48
S68	2	transfer adj thyristor near4 switch	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/06 15:06
S69	27	method near2 operating near4 (pixel adj cell).ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/06 15:30
S70	2	"6326230".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/06 16:28
S71	3	snap adj shot and reset adj transistor and (image adj lag ghost adj image)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/06 16:29
S72	3351	((348/311) or (348/314) or (257/290) or (257/291) or (257/428) or (257/431) or (257/445)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/07 15:22
S73	67	S72 and (ghost adj image image adj lag\$4) and reset and transfer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/07 15:48
S74	66	S72 and (ghost adj image image adj lag\$4) and reset and transfer and transistor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/07 15:56

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S75	94	S72 and reset.ti,ab,clm. and transfer.ti,ab,clm. and transistor.ti, ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/07 15:58
S76	39	S72 and reset.ti,ab,clm. and ((read\$3 transfer) near2 transistor).ti,ab,clm. and reset near1 transistor.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/07 15:59
S77	33	S72 and reset.ti,ab,clm. and ((read\$3 transfer) near2 transistor).ti,ab,clm. and reset near1 transistor.ti,ab,clm. and @ad<"20040106"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/07 16:06
S78	32	S72 and reset.ti,ab,clm. and ((read\$3 transfer) near2 transistor).ti,ab,clm. and reset near1 transistor.ti,ab,clm. and @ad<"20040106" and reset and transfer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON .	2006/01/07 16:06
S79	. 14	"6326230"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 11:16
S80	2	("6326230").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/12 11:16
S81	4	("6046466").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/12 12:19
S82	12	reset near4 "before" near4 integration adj period and photodiode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/12 12:29
S83	1	reset near8 "before" near8 integration adj period near8 transfer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/12 12:29

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S84	1	reset near8 "before" near8 integration adj period near8 transfer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 12:54
S85	1	agan.in. and photoconversion	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 14:35
S86	5	"662445".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 15:12
S87	3505	((257/290) or (257/291) or (257/428) or (257/431) or (257/445) or (348/311) or (348/314)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/12 15:13
S88	683	S87 and (image imager imaging). ti,ab,clm. and (photoconversion photodiode photogate (photo adj gate) (photo adj diode))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/12 15:15
S89	7	S87 and (image imager imaging). ti,ab,clm. and (photoconversion photodiode photogate (photo adj gate) (photo adj diode)) and (reset resetting) near10 (transfer transferring) and (blur\$4 ghost)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 15:21
S90	2	S87 and (image imager imaging). ti,ab,clm. and (photoconversion photodiode photogate (photo adj gate) (photo adj diode)) and (reset resetting) near10 (transfer transferring).ti,ab,clm. and (blur\$4 ghost)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 15:21
S91	2	"20050057680"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 23:17
S92	3	"750843".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/18 17:24

S93	2	"20050057680".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/19 06:51
S94	417	(method process) near4 (operati\$2 using imag\$3) same pixel same reset\$4 and (accumulat\$3 stor\$3) and (pd photoconversion photodiode) and read\$3 and transistor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/18 17:34
S95	56	(method process) near4 (operati\$2 using imag\$3) same pixel same reset\$4 and (accumulat\$3 stor\$3) and (pd photoconversion photodiode) and read\$3 and transistor and (micron. as. rhodes.in.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/18 17:36
S96	18	(method process) near20 (operati\$2 using imag\$3) near20 pixel near20 reset\$4 and (accumulat\$3 stor\$3) and (pd photoconversion photodiode) and read\$3 and transistor and (micron. as. rhodes.in.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/18 17:38
S97	. 22	(method process) near30 (operati\$2 using imag\$3) near30 pixel near30 reset\$4 and (accumulat\$3 stor\$3) and (pd photoconversion photodiode) and read\$3 and transistor and (micron. as. rhodes.in.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/18 17:38
S98	22	(method process) near40 (operati\$2 using imag\$3) near40 pixel near40 reset\$4 and (accumulat\$3 stor\$3) and (pd photoconversion photodiode) and read\$3 and transistor and (micron. as. rhodes.in.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/18 17:40
S99		(method process) near40 (operati\$2 using imag\$3) near40 pixel near40 reset\$4 near40 (accumulat\$3 stor\$3) and (pd photoconversion photodiode) and read\$3 and transistor and (micron. as. rhodes.in.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/18 17:44

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S10 0	0	(method process) near40 (operati\$2 using imag\$3) near40 pixel near40 reset\$4 near40 (accumulat\$3 stor\$3) near40 (pd photoconversion photodiode) and read\$3 and transistor and (micron. as. rhodes.in.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/18 17:42
S10 1	0	((method process) near40 (operati\$2 using imag\$3) near40 pixel near40 reset\$4 near40 (accumulat\$3 stor\$3) and (pd photoconversion photodiode) near40 read\$3).clm. and transistor and (micron.as. rhodes.in.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/18 17:44
S10 2	244	((rhodes near2 howard).in. micron.as.) and (method use using operating) near4 (pixel imager imagining).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/19 05:20
S10 3	250	((rhodes near2 howard).in. micron.as.) and (method use using operati\$2) near4 (pixel imager imagining).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/19 05:21
S10 4	112	((rhodes near2 howard).in. micron.as.) and (method use using operati\$2) near4 (pixel imager imagining).clm. and (reset resetting).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/19 05:21
S10 5	1	((rhodes near2 howard).in. micron.as.) and (method use using operati\$2) near4 (pixel imager imagining).clm. and (reset resetting).clm. and (reamining residual left-over leftover remaining) adj charge.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/19 05:23
S10 6	1	((rhodes near2 howard).in. micron.as.) and (method use using operati\$2) near4 (pixel imager imagining).clm. and (reset resetting).clm. and (remaining residual left-over leftover remaining) adj charge.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ÓN	2006/11/19 05:23
S10 7	1	((rhodes near2 howard).in. micron.as.) and (method use using operati\$2) near4 (pixel imager imagining).clm. and (reset resetting).clm. and (remainder residual left-over leftover remaining) adj charge.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/19 05:24

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S10 8	1	((rhodes near2 howard).in. micron.as.) and (method use using operati\$2) near4 (pixel imager imagining).clm. and (reset resetting).clm. and ((charge near1 sweep)(remainder residual left-over leftover remaining) adj charge).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/19 05:24
S10 9		((rhodes near2 howard).in. micron.as.) and (method use using operati\$2) near4 (pixel imager imagining).clm. and (reset resetting).clm. and ((charge near1 sweep\$3)(remainder residual left-over leftover remaining) adj charge).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/19 05:39
S11 0	250	((rhodes near2 howard).in. micron.as.) and (method use using operati\$2) near4 (pixel imager imagining).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/19 05:39
S11 1	285	((rhodes near2 howard).in. micron.as.) and (method use using operati\$2) near4 (pixel imager imaging).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/19 05:47
S11 2	1	((rhodes near2 howard).in. micron.as.) and (method use using operati\$2) near4 (pixel imager imaging).clm. and (reset resetting).clm. and ((charge near1 sweep\$3)(remainder residual left-over leftover remaining) adj charge).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/19 05:39
S11 3	12	(("6140630") or ("6376868") or ("6310366") or ("6326652") or ("6204524") or ("6333205")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/19 05:50
S11 4	365	integration adj period and reset adj transistor and (imager imaging)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/19 06:51
S11 5	13	integration adj period near4 defined and reset adj transistor and (imager imaging)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/19 08:51

S11 6	0	integration adj period near4 (row adj transistor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/19 07:07
S11 7	1	integration adj period with (row adj transistor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/19 07:11
S11 8	2	"20050145900".pn. and integration adj period	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON .	2006/11/19 07:21
S11 9	0	"20050576800".pn. and integration adj period	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/19 07:21
S12 0		"20050057680".pn. and integration adj period	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/19 07:21
S12 1	2	("6326230").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/19 08:51
S12 2	1	(US-20050145900-\$).did.	US-PGPUB	OR	OFF	2006/11/19 10:57
S12 3	1	(US-20050145900-\$).did. and integration adj period and integration	US-PGPUB	OR	ON	2006/11/19 10:58
S12 4	1	(US-20050145900-\$).did. and integration adj period and integration and photoconversion	US-PGPUB	OR	ON	2006/11/19 11:18
S12 5	1	(US-20050145900-\$).did. and integration adj period and integration and photoconversion and (shutter)	US-PGPUB	OR	ON .	2006/11/19 11:23
S12 6	1	rst and "6326230".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/19 12:32

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S12 7	2	"20050110885".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/19 17:19
S12 8	2	"20050157194".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/19 17:22
S12 9	1870	(integration accumulation sampling) near1 (time period interval) and (imaging imager) and reset and transfer and (row select) and diagram	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/19 17:25
S13 0	127	(integration accumulation sampling) near1 (time period interval) and (imaging imager) and reset and transfer and (row select) and diagram and (image adj lag ghost)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/20 08:50
S13 1	56	rhodes.in. and micron.as. and image adj lag and reset and transfer and row	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/20 08:51
S13 2	55	rhodes.in. and micron.as. and image adj lag and reset and transfer and row	USPAT	OR	ON	2006/11/20 08:51
S13 3	. 55	rhodes.in. and micron.as. and image adj lag and reset and transfer and row	USPAT	OR	ON	2006/11/20 08:51
S13 4	57	rhodes.in. and micron.as. and (charge adj sweep image adj lag anti-blooming)	USPAT	OR	ON	2006/11/20 16:53
S13 5	7193	((257/214) or (257/222) or (257/223) or (257/225) or (257/290) or (257/291) or (257/428) or (257/431) or (257/445) or (257/e27.131) or (257/e27.132) or (257/e27.133) or (257/e27.134) or (348/311) or (348/314)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/20 14:31
S13 6	219	S135 and (charge adj sweep (anti\$1blooming anti adj blooming) image adj lag) and transfer adj gate and reset and (row select)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/20 14:52

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S13 7	4	"623533".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/20 15:13
S13 8	5	malsawma.xa. and rhodes.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/20 15:14
S13 9	<b>289</b>	second near5 transfer and (image adj lag anti-blooming antiblooming anti adj blooming)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/20 16:54
S14 0	12	(US-6333205-\$ or US-6204524-\$ or US-6376868-\$ or US-6140630-\$ or US-6310366-\$ or US-6326652-\$).did. or (US-6333205-\$ or US-6204524-\$ or US-6376868-\$ or US-6140630-\$ or US-6310366-\$ or US-6326652-\$).did.	USPAT; DERWENT	OR	OFF	2006/11/20 16:58
S14 1	5	S140 and shutter	USPAT; DERWENT	OR	ON	2006/11/20 16:58
S14 2	1	(US-20050145900-\$).did.	US-PGPUB	OR	OFF	2006/11/20 17:42
S14 3	1	(US-20050145900-\$).did. and shut\$3	US-PGPUB	OR	OFF	2006/11/20 17:42
S14 4	1	(US-20050145900-\$).did.	US-PGPUB	OR	OFF	2006/11/20 17:56
S14 5	1	(US-20050145900-\$).did. and pixel	US-PGPUB	OR	ON	2006/11/20 17:57
S14 6	977	(257/292).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/21 09:28
S14 7	977	(257/292).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/21 15:58

S15 2	2	("20020051229").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/21 16:13
S15 3	1	(US-20050145900-\$).did.	US-PGPUB	OR	OFF	2006/11/21 21:23
S15 4	1	(US-20050145900-\$).did. and (photogate photo adj gate)	US-PGPUB	OR	OFF	2006/11/21 19:57

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S15	198	(US-20010002848-\$ or	US-PGPUB;	OR	OFF	2006/11/21 20:00
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S15 6	141	S155 and (photo\$1gate photo adj gate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/21 20:09
S15 7	60	(photo\$1gate photo adj gate).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/21 20:12
S15 8	60	(photo\$1gate photo adj gate).ti. and (photo\$1gate photo adj gate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR .	ON	2006/11/21 20:13
S15 9	1	(US-20050145900-\$).did. and (read-out read\$1out sample near2 hold)	US-PGPUB	OR	ON	2006/11/21 21:26
S16 0	12	(US-6140630-\$ or US-6333205-\$ or US-6326652-\$ or US-6310366-\$ or US-6376868-\$ or US-6204524-\$).did. or (US-6140630-\$ or US-6376868-\$ or US-6326652-\$ or US-6204524-\$ or US-6310366-\$).did.	USPAT; DERWENT	OR	OFF	2006/11/21 22:20
S16 1	12	S160 and cmos	USPAT; DERWENT	OR	OFF	2006/11/21 22:46
S16 2	14	"6326230"	USPAT; DERWENT	OR	OFF	2006/11/21 22:48
S16 3	8	"6326230" and photo\$1gate	USPAT; DERWENT	OR	ON	2006/11/21 22:53
S16 4	52	(photo\$1gate photo adj gate).ti. and (photo\$1gate photo adj gate)	USPAT; DERWENT	OR	ON	2006/11/21 23:27
S16 5	305	(photo\$1gate photo adj gate).ti, ab,clm. and (photo\$1gate photo adj gate)	USPAT; DERWENT	OR	ON	2006/11/21 23:27
S16 6	39	(photo\$1gate photo adj gate).ti, ab,clm. and (photo\$1gate photo adj gate) near4 (improvement improv\$3 advantage advantageously possibility increas\$3 decreas\$3)	USPAT; DERWENT	OR	ON	2006/11/21 23:39

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S16 7	109	photodiode near4 (photo adj gate photo\$1gate) near4 (photo adj conductor photo\$1conductor) and cmos near4 imag\$3	USPAT; DERWENT	OR	ON	2006/11/21 23:41
S16 8	66	photodiode near4 (photo adj gate photo\$1gate) near4 (photo adj conductor photo\$1conductor) and cmos near4 imag\$3 and (charge adj sweep image adj lag anti adj blooming anti\$1blooming ghost adj image)	USPAT; DERWENT	OR	ON	2006/11/21 23:42
S16 9	0	(photo\$gate photo adj gate) near4 deplet\$3 and cmos and (ghost adj image charge adj sweep)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/22 08:42
S17 0	0	(photo\$gate photo adj gate) near6 deplet\$3 and cmos and (ghost adj image charge adj sweep)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/22 08:43
S17 1	0	(photo\$1gate photo adj gate) near6 deplet\$3 and cmos and (ghost adj image charge adj sweep)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/22 08:43
S17 2	205	(photo\$1gate photo adj gate) near6 deplet\$3 and cmos	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/22 08:43
S17 3	198	(photo\$1gate photo adj gate) near6 deplet\$3 and cmos and transfer and reset	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/22 08:43
S17 4	182	(photo\$1gate photo adj gate) near3 deplet\$3 and cmos and transfer and reset	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/22 08:44
S17 5	46	((photo\$1gate photo adj gate) near3 deplet\$3 and cmos and transfer and reset) not rhodes.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/22 08:45

S17 6		((photo\$1gate photo adj gate) near3 deplet\$3 and cmos and transfer and reset) not (micron.as. rhodes.in.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/22 08:45
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#### **Inventor Name Search Result**

inv um steh. (1/22/06)

Your Search was:

Last Name = RHODES First Name = HOWARD

Application#	Patent#	Status	Date Filed	Title	Inventor Name
08066835	5405788	150	05/24/1993	METHOD FOR FORMING AND TAILORING THE ELECTRICAL CHARACTERISTICS OF SEMICONDUCTOR DEVICES	RHODES, HOWARD
08416994	Not Issued	166	11	METHOD FOR FORMING AND TAILORING THE ELECTRICAL CHARACTERISTICS OF SEMICONDUCTOR DEVICES MH	RHODES, HOWARD
08578825	Not Issued	161		METHOD TO AVOID THRESHOLD VOLTAGE SHIFT IN THICKER DIELECTRIC FILMS んル	RHODES, HOWARD
08627262	5750012	150	1	MULTIPLE SPECIES SPUTTERING FOR IMPROVED BOTTOM COVERAGE AND IMPROVED SPUTTER RATE	RHODES, HOWARD
08763848	5661045	150	12/09/1996	METHOD FOR FORMING AND TAILORING THE ELECTRICAL CHARACTERISTICS OF SEMICONDUCTOR DEVICES	RHODES, HOWARD
09053354	6083358	150		MULTIPLE SPECIES SPUTTERING FOR IMPROVED BOTTOM COVERAGE AND IMPORVED SPUTTER RATE	RHODES, HOWARD
09312373	6462394	150		DEVICE CONFIGURED TO AVOID THRESHOLD VOLTAGE SHIFT IN A DIELECTRIC FILM	RHODES, HOWARD
09609441	6398923	150		MULTIPLE SPECIES SPUTTERING METHOD	RHODES, HOWARD
09654093	7067442	150		METHOD TO AVOID THRESHOLD VOLTAGE SHIFT IN THICKER DIELECTRIC FILMS	RHODES, HOWARD
09721839	6458714	150		METHOD OF SELECTIVE OXIDATION IN SEMICONDUCTOR	RHODES, HOWARD

			L	MANUFACTURE	
09789335	6518610	150	02/20/2001	RHODIUM-RICH OXYGEN BARRIERS	RHODES, HOWARD
09945252	6630706	150	08/30/2001	LOCALIZED ARRAY THRESHOLD VOLTAGE IMPLANT TO ENHANCE CHARGE STORAGE WITHIN DRAM MEMORY CELLS	RHODES, HOWARD
10209386	6740554	150	II .	METHODS TO FORM RHODIUM- RICH OXYGEN BARRIERS	RHODES, HOWARD
10234576	6800520	150	08/30/2002	LOCALIZED ARRAY THRESHOLD VOLTAGE IMPLANT ENHANCE CHARGE STORAGE WITHIN DRAM MEMORY CELLS	RHODES, HOWARD
10291728	6818930	150	II .	GATED ISOLATION STRUCTURE FOR IMAGERS	RHODES, HOWARD
10291772	6888214	150		ISOLATION TECHNIQUES FOR REDUCING DARK CURRENT IN CMOS IMAGE SENSORS	RHODES, HOWARD
10293494	7091536	150	11/14/2002	ISOLATION PROCESS AND STRUCTURE FOR CMOS IMAGERS	RHODES, HOWARD
10303897	6960796	150	11/26/2002	CMOS IMAGER PIXEL DESIGNS WITH STORAGE CAPACITOR	RHODES, HOWARD
10318597	6781175	150	12/12/2002	RHODIUM-RICH INTEGRATED CIRCUIT CAPACITOR ELECTRODE	RHODES, HOWARD
10345155	7087944	150		IMAGE SENSOR HAVING A CHARGE STORAGE REGION PROVIDED WITHIN AN IMPLANT REGION	RHODES, HOWARD
10385844	6949445	150	11 ,	METHOD OF FORMING ANGLED IMPLANT FOR TRENCH ISOLATION	RHODES, HOWARD
10422965	Not Issued	61		Imager floating diffusion region and process for forming same	RHODES, HOWARD
10437494	6815287	150	05/14/2003	LOCALIZED ARRAY THRESHOLD VOLTAGE IMPLANT TO ENHANCE CHARGE STORAGE WITHIN DRAM MEMORY CELLS	RHODES, HOWARD
10632916	6878568	150	11 1	CMOS IMAGER AND METHOD OF FORMATION	RHODES, HOWARD
10655219	6969631	150	09/05/2003	METHOD OF FORMING PHOTODIODE WITH SELF- ALIGNED IMPLANTS FOR HIGH QUANTUM EFFICIENCY	RHODES, HOWARD

10660565	Not Issued	61	09/12/2003	CMOS imager pixel designs	RHODES, HOWARD
10771290	Not Issued	71	02/05/2004	GATED ISOLATION STUCTURE FOR IMAGERS	RHODES, HOWARD
10850664	7038263	150	05/21/2004	INTEGRATED CIRCUITS WITH RHODIUM-RICH STRUCTURES	RHODES, HOWARD
10925917 <b>9</b> 7	Not Issued	71		Isolation techniques for reducing dark current in CMOS image sensors	RHODES, HOWARD
10926358	Not Issued	41	08/26/2004	Isolation techniques for reducing dark current in CMOS image sensors	RHODES, HOWARD
10983971	Not Issued	160	11/08/2004	Localized array threshold voltage implant to enhance charge storage within DRAM memory cells $\mathcal{M}$ $\mathcal{H}$	RHODES, HOWARD
11009006	Not Issued	41	12/13/2004	Deep photodiode isolation process	RHODES, HOWARD
11043998	Not Issued	30	01/28/2005	Imager floating diffusion region and process for forming same	RHODES, HOWARD
11066325	Not Issued	160	02/25/2005	Isolation techniques for reducing dark current in CMOS image sensors	RHODES, HOWARD
11165490	7102180	150	06/24/2005	CMOS IMAGER PIXEL DESIGNS	RHODES, HOWARD
<u>1/206125</u>	Not Issued	93	08/18/2005	PHOTODIODE WITH SELF- ALIGNED IMPLANTS FOR HIGH QUANTUM EFFICIENCY AND METHOD OF FORMATION	RHODES, HOWARD
11242375	Not Issued	30	10/03/2005	Method to avoid threshold voltage shift in thicker dielectric films	RHODES, HOWARD
11434767	Not Issued	20		Image sensor having a charge storage region provided within an implant region	RHODES, HOWARD
11488845	Not Issued	20	07/19/2006	CMOS imager pixel designs No: ph Norman + with of for	RHODES, HOWARD
11529631	Not Issued	25	09/29/2006	Method of operating image sensor but 40 DP.	RHODES, HOWARD
60478348	Not Issued	159		Photodiode with self-aligned implants for high quantum efficiency and method of formation $ab$ .	RHODES, HOWARD
06130075	4307922	150	03/13/1980	MOVABLE STORAGE SYSTEM	RHODES, HOWARD A.
09207593	6639261	150		METHOD FOR FORMING A LOW LEAKAGE CONTACT IN A CMOS IMAGER	RHODES, HOWARD E
09310489	6159790	150	II I	METHOD OF CONTROLLING OUTDIFFUSION IN A DOPED	RHODES, HOWARD E

			4 I	THREE-DIMENSIONAL FILM BY USING ANGLED IMPLANTS	
09310515	6211545	150	II I	A DEVICE FABRICATED BY A METHOD OF CONTROLLING OUTDIFFUSION FROM A DOPED THREE-DIMENSIONAL FILM	RHODES, HOWARD E.
09513470	6407440	150		PIXEL CELL WITH HIGH STORAGE CAPACITANCE FOR A CMOS IMAGER	RHODES, HOWARD E.
09516819	6285038	150		Integrated circuitry and dram integrated circuitry	RHODES, HOWARD E.
09518073	Not Issued	161	il i	Single deposition layer metal dynamic random access memory	RHODES, HOWARD E.
09546492	6492241	150		INTEGRATED CAPACITORS FABRICATED WITH CONDUCTIVE METAL OXIDES	RHODES, HOWARD E.
<u>09616540</u>	6440825	150		METHOD OF CONTROLLING OUTDIFFUSION IN A DOPED THREE-DIMENSIONAL FILM	RHODES, HOWARD E.

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Nakamura, N.; Shioyama, Y.; Ohsawa, S.; Sugiki, T.; Matsunaga, Y.;

Electron Devices, IEEE Transactions on

Volume 43, Issue 11, Nov. 1996 Page(s):1883 - 1889 Digital Object Identifier 10.1109/16.543023

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2. HDTV image sensor: the pixel structure

Theuwissen, A.; Peek, H.; Centen, P.; van de Steeg, M.; Boesten, R.; Hartog, P.; Kokshode Koning, E.; Oppers, J.; Vledder, F.;

Broadcasting Convention, 1992. IBC., International

3-7 Jul 1992 Page(s):488 - 491

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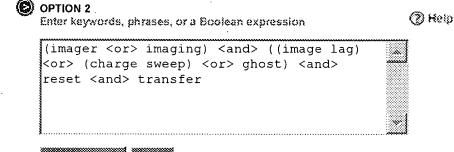
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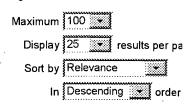
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1. An enhanced-performance CMOS imager with a flushed-reset photodiode pixel

Pain, B.; Guang Yang; Cunningham, T.J.; Wrigley, C.; Hancock, B.;

Electron Devices, IEEE Transactions on

Volume 50, Issue 1, Jan. 2003 Page(s):48 - 56

Abstract:

A new front-end for photodiode-based CMOS imagers is presented. Degradation in imaging performance due to conventional hard- and soft-reset of pixels is analyzed. To overcome these limitations, the design and operation of a flushed-reset pixel is described. The flushed-reset pixel combines the best of hard- and soft-reset to simultaneously provide excellent radiometric accuralinearity, no image lag, high saturation level, and reduced read-noise. The new front-end is imple by changes to the column-circuitry only, leaving the pixel unchanged, preventing degradation of a unrelated imaging performance. It is compatible with large format imager implementation, has mi impact on the frame-rate, and does not introduce any additional hot-carrier stress in the pixel. Da a large format (512/sup 2/) imager demonstrates the efficacy of the flushed-reset pixel approach.

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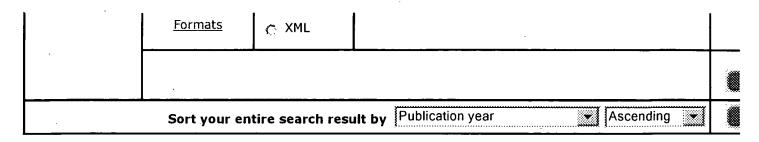
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